

FILE 'BIOSIS' ENTERED AT 08:07:31 ON 09 MAR 2005  
Copyright (c) 2005 The Thomson Corporation

10/627,934

FILE 'MEDLINE' ENTERED AT 08:07:31 ON 09 MAR 2005

FILE 'CAPLUS' ENTERED AT 08:07:31 ON 09 MAR 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 08:07:31 ON 09 MAR 2005  
COPYRIGHT (C) 2005 THE THOMSON CORPORATION

FILE 'USPATFULL' ENTERED AT 08:07:31 ON 09 MAR 2005  
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

\*\*\* YOU HAVE NEW MAIL \*\*\*

=> s synthesi? (7a) sil?  
L1 43385 SYNTHESI? (7A) SIL?

=> s 11 and dihalosil?  
L2 56 L1 AND DIHALOSIL?

=> s 12 and monohalosil?  
L3 6 L2 AND MONOHALOSIL?

=> dup rem 13  
PROCESSING COMPLETED FOR L3  
L4 6 DUP REM L3 (0 DUPLICATES REMOVED)

=> d 14 bib abs 1-6

L4 ANSWER 1 OF 6 USPATFULL on STN  
AN 2004:39628 USPATFULL  
TI Poly(ethylene phenylene ethynylene silylenes) comprising an inert spacer  
and methods for preparing same  
IN Levassort, Christian, Tours, FRANCE  
Jousse, Franck, Tours, FRANCE  
Delnaud, Laurent, Ballan, FRANCE  
Buvat, Pierrick, Nontbazon, FRANCE  
PI US 2004030170 A1 20040212  
AI US 2003-415644 A1 20030501 (10)  
WO 2001-FR3497 20011109  
PRAI FR 2000-14459 20001110  
DT Utility  
FS APPLICATION  
LREP Burns Doane, Swecker & Mathis, Suite 400, 1737 King Street, Alexandria,  
VA, 22314-2727  
CLMN Number of Claims: 33  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1036

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns poly(ethylene phenylene ethynylene silylene) polymers comprising an inert spacer in the main chain of the polymer. The invention also concerns methods for preparing said polymers and hardened products obtainable by heat treatment of said polymers. The inventive polymers can in particular be used in matrices for composites.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 6 USPATFULL on STN  
AN 2004:32021 USPATFULL  
TI Poly (ethynylene phenylene ethynylene polysiloxene (silylene) s) and  
methods for preparing same  
IN Levassort, Christian, Tours, FRANCE

Yousse, Franck, Tours, FRANCE  
Delnaud, Laurent, Ballan Mire, FRANCE  
Buvat, Pierrick, Montbazon, FRANCE  
PI US 2004024163 A1 20040205  
AI US 2003-415340 A1 20030502 (10)  
WO 2001-FR3493 20011109  
PRAI FR 2000-14460 20001110  
DT Utility  
FS APPLICATION  
LREP OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET,  
ALEXANDRIA, VA, 22314  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 924

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Heat-stable poly(ethynylene phenylene ethynylene polysiloxene(silylene)) polymers preferably of determined molecular mass, optionally bearing at the end of the chain groups derived from a chain-limiting agent.

Processes for preparing these polymers, cured products obtained by heat-treating these polymers, and composite matrices comprising these polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 6 USPATFULL on STN  
AN 2004:59941 USPATFULL  
TI Poly (ethynylene phenylene ethynylene silylene)s and method for preparation thereof  
IN Buvat, Pierrick, Montbazon, FRANCE  
Levassort, Christian, Tours, FRANCE  
Jousse, Franck, Tours, FRANCE  
PA Commissariat a L' Energie Atomique, Paris, FRANCE (non-U.S. corporation)  
PI US 6703519 B1 20040309  
WO 2001019899 20010322  
AI US 2002-88167 20020315 (10)  
WO 2000-FR2562 20000915  
PRAI FR 1999-11583 19990916  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Barts, Samuel  
LREP Burns, Doane, Swecker & Mathis, L.L.P.  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)  
LN.CNT 879

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Heat stable poly(ethynylene phenylene ethynylene silylene) polymers with a determined molecular weight bearing at the chain end, groups derived from a chain limiter.

Methods for preparing these polymers, hardened products obtained by heat treatment of these polymers, and matrices for composites comprising these polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 6 USPATFULL on STN  
AN 2000:4902 USPATFULL  
TI Sheet and tube polymers with pendant siloxane groups  
IN Burns, Gary Thomas, Chain, Belgium  
Chao, Timothy Chi-Shan, Midland, MI, United States  
Jallouli, Aref Ben Ahmed, Midland, MI, United States  
Katsoulis, Dimitris Elias, Midland, MI, United States  
PA Dow Corning Corporation, Midland, MI, United States (U.S. corporation)  
Virginia Institute and State University, Blacksburg, VA, United States  
(U.S. corporation)

PI US 6013740 20000111  
AI US 1998-140902 19980827 (9)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Moore, Margaret G.  
LREP De Cesare, James L.  
CLMN Number of Claims: 7  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 569

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polysiloxane sheet or tube polymers having pendant siloxane groups are prepared by contacting sheet or tube silicates with halogen endblocked halosiloxanes represented by the formula: ##STR1## where X is chlorine, fluorine, bromine, or iodine; R1 to R7 are alkyl groups with 1-6 carbon atoms, aryl groups, alkaryl groups, or aralkyl groups; in which one of the groups R1, R4, and R5 can additionally represent X; and n has a value of 2 to about 20.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 6 USPATFULL on STN  
AN 77:52594 USPATFULL  
TI Intermediates for preparing cephalosporins  
IN Robinson, Charles A., West Chester, PA, United States  
PA American Home Products Corporation (Del.), New York, NY, United States (U.S. corporation)  
PI US 4051131 19770927  
AI US 1976-669135 19760322 (5)  
RLI Division of Ser. No. US 1972-310511, filed on 29 Nov 1972, now patented, Pat. No. US 3965098  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Rizzo, Nicholas S.  
LREP Venetianer, Stephen  
CLMN Number of Claims: 7  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 437

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB  $\Delta^{\text{sup.3}}$ -Cephalosporins are prepared by reacting novel diorganodihalosilane or monorganodihalosilane derivatives of 7-aminocephalosporanic acid ("7ACA") and 7-amino-desacetoxycephalosporanic acid ("7ADCA") with known acylating agents followed by hydrolysis or alcoholysis to produce  $\Delta^{\text{sup.3}}$ -cephalosporins with useful antibiotic activity. The dialkyldihalosilane derivatives are prepared by adding a base such as triethylamine slowly to a mixture of 7ACA or 7ADCA and a dialkyldihalosilane.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 6 USPATFULL on STN  
AN 76:35015 USPATFULL  
TI Intermediates for preparing cephalosporins and methods of production  
IN Robinson, Charles A., West Chester, PA, United States  
PA American Home Products Corporation, New York, NY, United States (U.S. corporation)  
PI US 3965098 19760622  
AI US 1972-310511 19721129 (5)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Rizzo, Nicholas S.  
LREP Venetianer, Stephen  
CLMN Number of Claims: 13  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 448

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB  $\Delta$ .sup.3 -CEPHALOSPORINS ARE PREPARED BY REACTING NOVEL DIORGANODIHALOSILANE OR MONORGANODIHALOSILANE DERIVATIVES OF 7-AMINOCEPHALOSPORANIC ACID ("7ACA") and 7-amino-desacetoxycephalosporanic acid ("7ADCA") with known acylating agents followed by hydrolysis or alcoholysis to produce  $\Delta$ .sup.3 -cephalosporins with useful antibiotic activity. The dialkyldihalosilane derivatives are prepared by adding a base such as triethylamine slowly to a mixture of 7ACA or 7ADCA and a dialkyldihalosilane.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.